

PATENT

ATTORNEY DOCKET NO. CABE.001.01US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Johannes J. Geuze *et al.*

) Examiner: DeCloux, Amy

Serial No.: 09/011,167

) Art Unit: 1644

Filed: June 2, 2003

Title: CELL DERIVED ANTIGEN PRESENTING
VESICLES

) CLEAN COPY OF CLAIMS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The following is a clean copy of the text of the claims following entry of the amendments as shown on the attached Preliminary Amendment. Replacement pages 16-17 incorporating these changes are attached hereto.

13. An antigen presenting vesicle free from its natural surroundings, said vesicle comprising:
a membrane, a major histocompatibility complex (MHC) Class II protein, and one or more at least partially processed antigens bound to said MHC Class II protein, wherein said antigen presenting vesicle is obtainable from a B lymphocyte.

CERTIFICATE OF FIRST CLASS MAILING

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July 10, 2003
(Date of Deposit)


(Signature)

Carrie Bucher
(Printed Name)

14. The antigen presenting vesicle according to Claim 13, wherein said vesicle is obtained by the step of recovering a 70,000 x g pellet obtained by differential centrifugation of membrane-containing fractions of cell culture media or lysates of B lymphocytes containing said MHC Class II protein.

15. An antigen presenting vesicle free from its natural surroundings, said vesicle comprising: a membrane, a major histocompatibility complex (MHC) Class II protein, and one or more at least partially processed antigens bound to said MHC Class II protein, wherein said antigen presenting vesicle is derived from culture media of B-lymphocytes containing said MHC Class II protein.

16. An antigen presenting vesicle free from its natural surroundings, said vesicle comprising: a membrane, a major histocompatibility complex (MHC) Class II protein, and one or more at least partially processed antigens bound to said MHC Class II protein, wherein said antigen presenting vesicle is obtained by the step of recovering a 70,000 x g pellet obtained by differential centrifugation of membrane-containing fractions of cell culture media or lysates of B-lymphocytes containing said MHC Class II protein.

17. An antigen presenting vesicle free from its natural surroundings, said vesicle comprising: a membrane, major histocompatibility complex (MHC) Class I and Class II proteins, and one or more at least partially processed antigens bound to said MHC Class I and Class II proteins, wherein said antigen presenting vesicle is obtained by differential centrifugation of membrane-containing fractions of cell culture media or lysates of B-lymphocytes containing said MHC Class I and Class II proteins.

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Respectfully submitted,

Dated:

July 10, 2003



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BRV/mnb

WHAT IS CLAIMED IS:

13. An antigen presenting vesicle free from its natural surroundings, said vesicle comprising:
a membrane, a major histocompatibility complex (MHC) Class II protein, and one or more at least partially processed antigens bound to said MHC Class II protein, wherein said antigen presenting vesicle is obtainable from a B lymphocyte.
14. The antigen presenting vesicle according to Claim 13, wherein said vesicle is obtained by the step of recovering a 70,000 x g pellet obtained by differential centrifugation of membrane-containing fractions of cell culture media or lysates of B lymphocytes containing said MHC Class II protein.
15. An antigen presenting vesicle free from its natural surroundings, said vesicle comprising:
a membrane, a major histocompatibility complex (MHC) Class II protein, and one or more at least partially processed antigens bound to said MHC Class II protein, wherein said antigen presenting vesicle is derived from culture media of B-lymphocytes containing said MHC Class II protein.
16. An antigen presenting vesicle free from its natural surroundings, said vesicle comprising:
a membrane, a major histocompatibility complex (MHC) Class II protein, and one or more at least partially processed antigens bound to said MHC Class II protein, wherein said antigen presenting vesicle is obtained by the step of recovering a 70,000 x g pellet obtained by differential centrifugation of membrane-containing fractions of cell culture media or lysates of B-lymphocytes containing said MHC Class II protein.
17. An antigen presenting vesicle free from its natural surroundings, said vesicle comprising:
a membrane, major histocompatibility complex (MHC) Class I and Class II proteins, and one or more at least partially processed antigens bound to said MHC Class I and Class II proteins, wherein said antigen presenting vesicle is obtained by differential centrifugation of

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membrane-containing fractions of cell culture media or lysates of B-lymphocytes containing said MHC Class I and Class II proteins.